

The background is a deep blue gradient with a subtle pattern of white stars. Overlaid on this are several white geometric and celestial motifs. On the left side, there are concentric circular arcs and a large circular scale with degree markings from 140 to 260. In the upper right, there are circular paths with arrows indicating direction. In the lower right, there are more concentric circles and arcs. The overall aesthetic is scientific and cosmic.

# ORBIT

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# ABOUT ORBIT

Orbit is a study session tracker app.

The app helps students see what they have studied on and for how long, also gives them reminders to take breaks.

Help students track their study time, like an exam, test, or quiz, etc

# PROBLEM STATEMENT

**Meagan Hall**

*Graphic Design Student*

I am part time student and graphic designer. I have multiple activities planned everyday and lately I have been struggling to keep up with all of them. In order for me to accomplish all my goals in time, I want to find the strategy that best works for me. I feel like I need something with which I can easily track my progress.

# TECH STACK

Swift - Front-end

MySQL - Database

PHP - API interaction of Front-end to Back-end



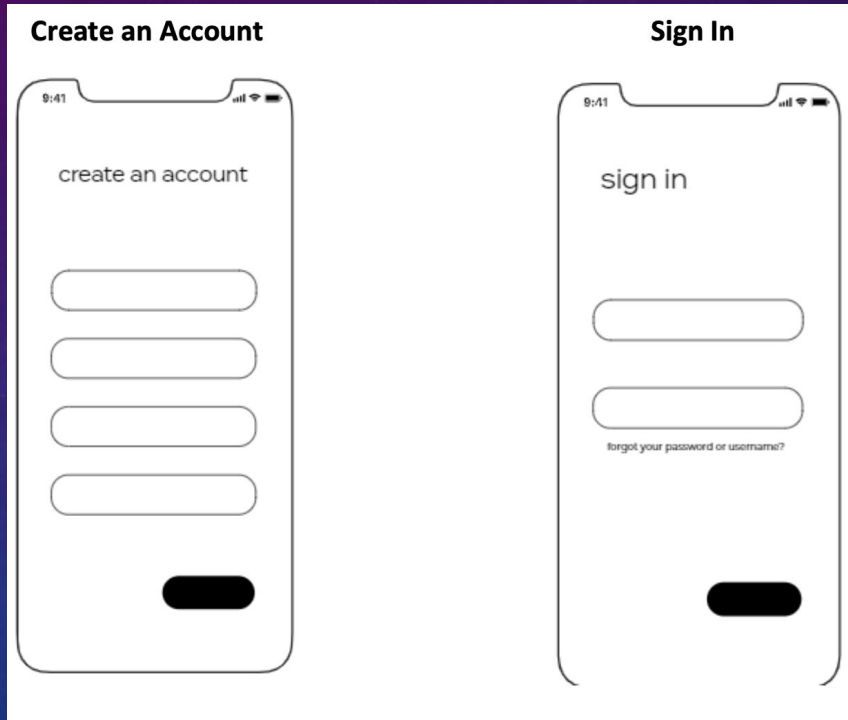
# STORYBOARD

FRONTPAGE



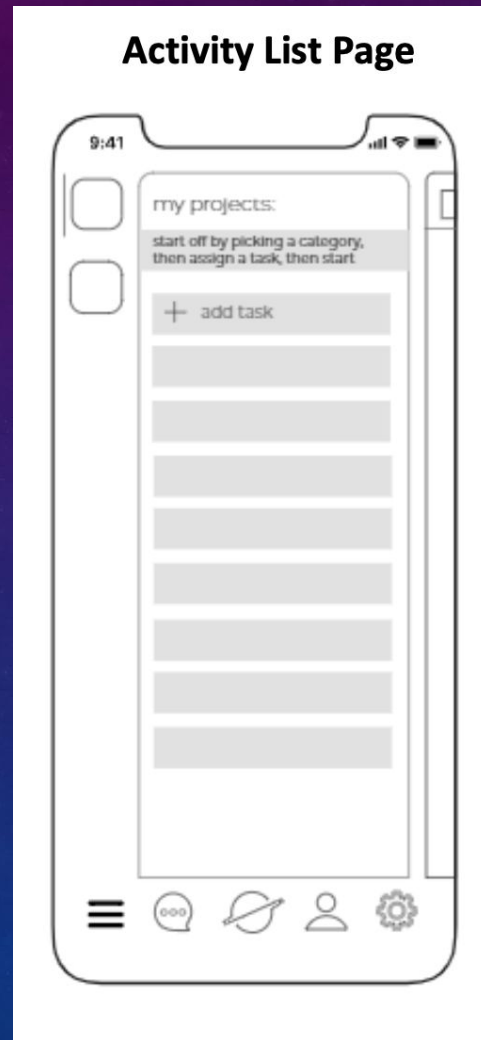
# STORYBOARD

SIGNUP/LOGIN PAGE



# STORYBOARD

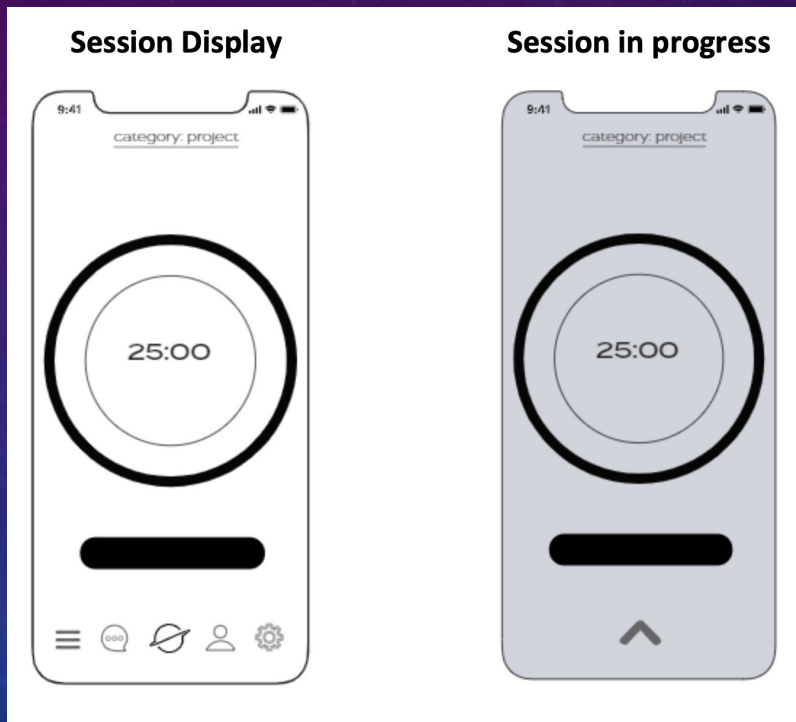
## ACTIVITYLIST





# STORYBOARD

SESSION DISPLAY





# USE CASES

## Signup

Characteristic Information		
Use Case ID	<input type="checkbox"/> Requirement 1.1: Sign up	
Preconditions	<input type="checkbox"/> User has the application installed and opened	
Successful Post Condition	<input type="checkbox"/> User successfully created a new account	
Failed Post Conditions	<input type="checkbox"/> User entered already existing credentials	
Primary Actors	<input type="checkbox"/> User <input type="checkbox"/> Database	
Secondary Actors	<input type="checkbox"/>	
Related Use Cases	<input type="checkbox"/> Login	
Primary Scenario		
Step	Scenario Action	Expected Behavior
1	User opens application	Application starts
2	User creates username	Username is displayed
3	User creates password	Hidden password is displayed
4	User click sign up	Database creates new account
8	End use case	

# USE CASES

## Login

Characteristic Information		
Use Case ID	<input type="checkbox"/> Requirement 1.2: Login	
Preconditions	<input type="checkbox"/> User has opened the application	
Successful Post Condition	<input type="checkbox"/> User has entered the correct information and logged in to his account	
Failed Post Conditions	<input type="checkbox"/> User tries to log in again	
Primary Actors	<input type="checkbox"/> User	
	<input type="checkbox"/> Database	
Secondary Actors	<input type="checkbox"/>	
Related Use Cases	<input type="checkbox"/> Sign up	
Primary Scenario		
Step	Scenario Action	Expected Behavior
1	User opens application	Application starts
2	User enters username	Username is displayed
3	User enters password	Hidden password is displayed
4	User submits	User logs in to his account
8	End use case	

# USE CASES

## Create Project

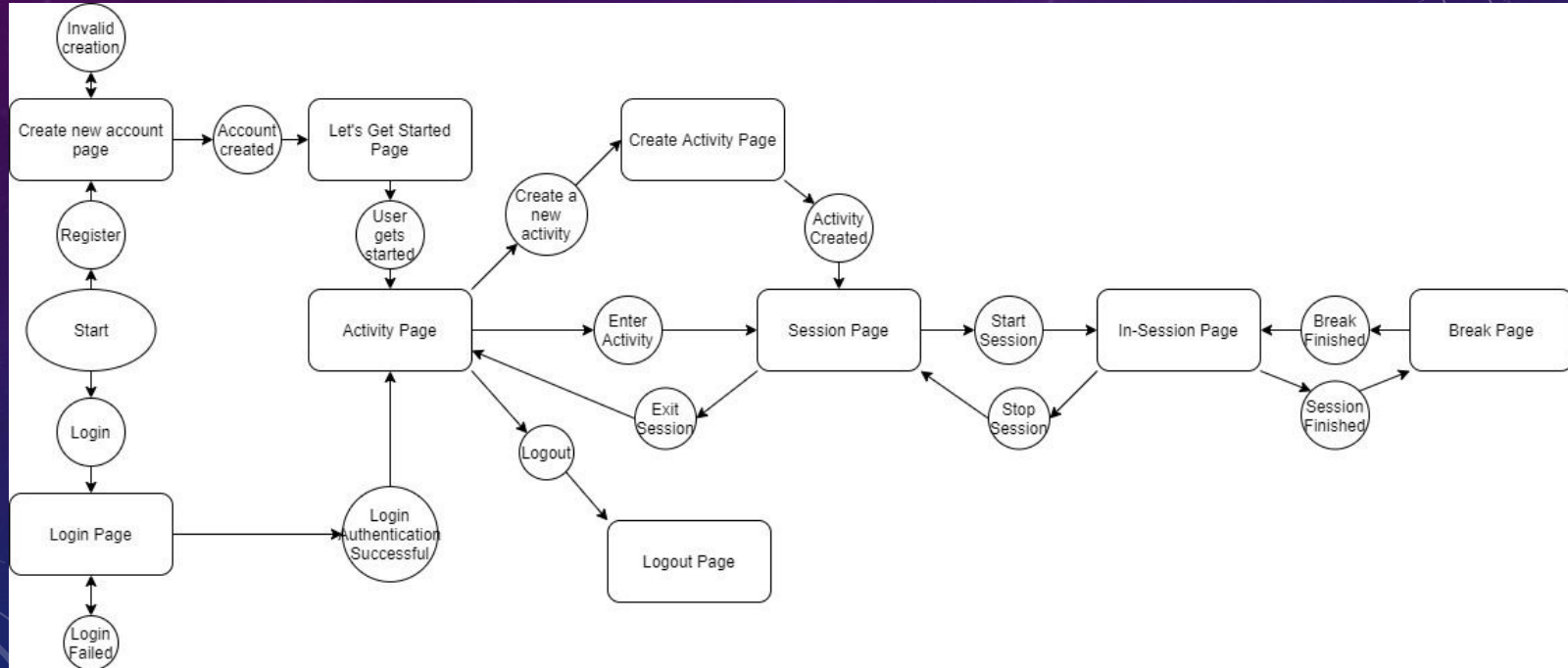
Characteristic Information		
Use Case ID	<input type="checkbox"/> Requirement 2.1: Create a project	
Preconditions	<input type="checkbox"/> User has logged in	
Successful Post Condition	<input type="checkbox"/> User has successfully created a new project and can start working towards it	
Failed Post Conditions	<input type="checkbox"/> Project name is already <u>taken</u> and application cannot create project	
Primary Actors	<input type="checkbox"/> User <input type="checkbox"/> Database	
Secondary Actors	<input type="checkbox"/>	
Related Use Cases	<input type="checkbox"/> Sign up	
Primary Scenario		
Step	Scenario Action	Expected Behavior
1	User opens project page	Application displays projects
2	User creates a new project	Application displays features of project to choose from
3	User decides on the features of the project and clicks create	A new project has been created on the projects page
4	End use case	

# USE CASES

## Start Session

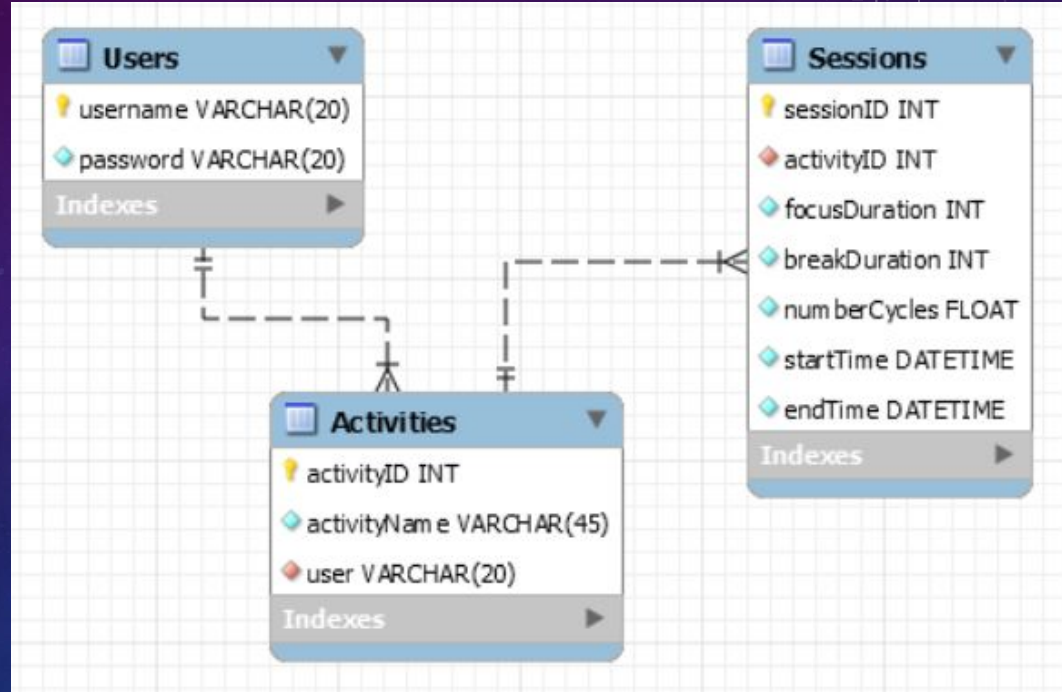
Characteristic Information		
Use Case ID	<input type="checkbox"/> Requirement 2.2: Start session	
Preconditions	<input type="checkbox"/> User has created a project	
Successful Post Condition	<input type="checkbox"/> User starts a session and works towards a task	
Failed Post Conditions	<input type="checkbox"/> N/A	
Primary Actors	<input type="checkbox"/> User	
Secondary Actors	<input type="checkbox"/>	
Related Use Cases	<input type="checkbox"/> Sign up	
Primary Scenario		
Step	Scenario Action	Expected Behavior
1	User opens session	Application displays features of the session
2	User clicks start	Application displays timer of the 'work' interval
3	User finishes working and has a 'break'	Application displays timer of the 'break' interval
5	End use case	

# STATE DIAGRAM





# DATABASE



# DATABASE

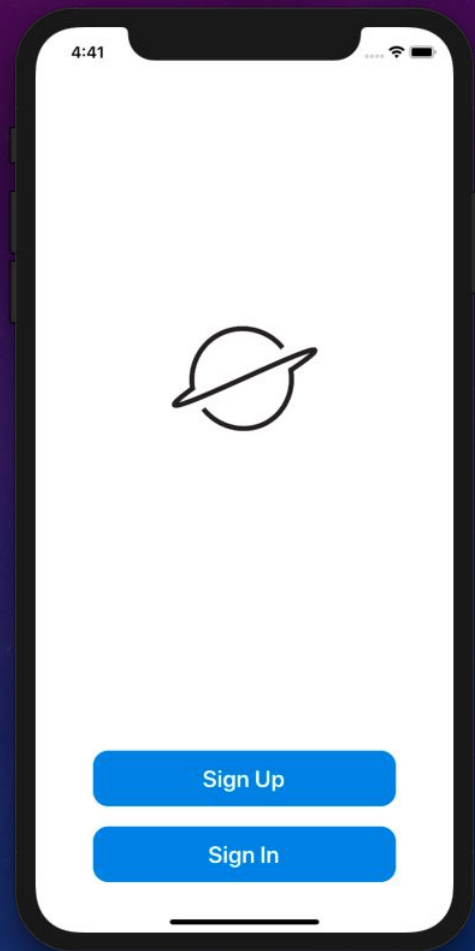
- Setup database with MySQL a on web server, created endpoints for http requests such as:  
<http://codd.cs.gsu.edu/~khorning2/other/registration.php?username=name&password=pass>
- PHP endpoints send success/failure response

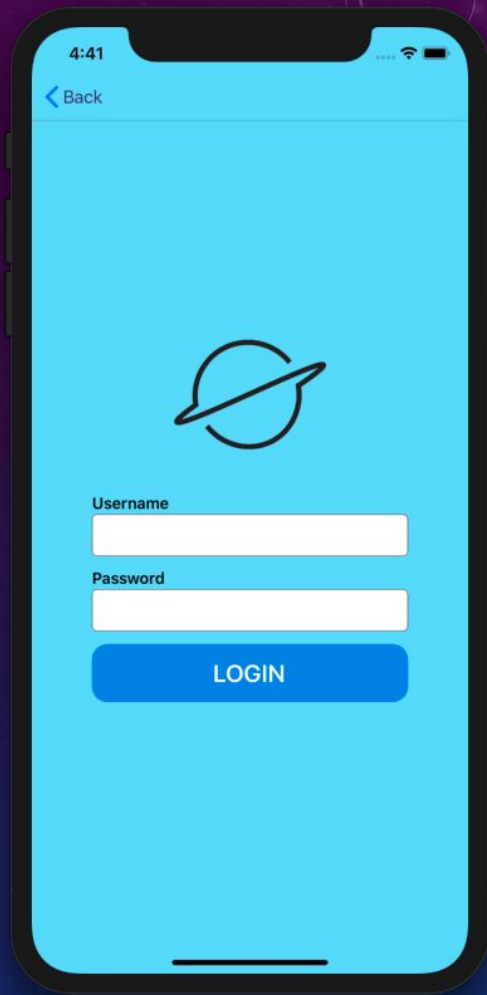




# APP FLOW

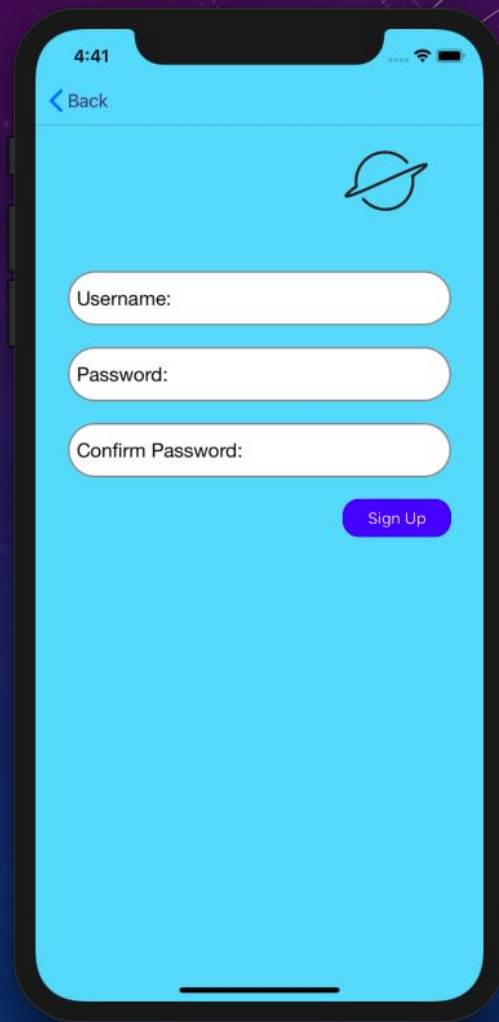
The background is a gradient of dark blue and purple, speckled with small white dots. In the top right corner, there is a large, semi-circular scale with degree markings from 0 to 210. The scale has concentric circles and arrows indicating a clockwise direction. In the bottom right corner, there are dashed concentric circles with arrows. In the bottom left corner, there are solid concentric circles with arrows. In the top left corner, there is a small, partial circular element.



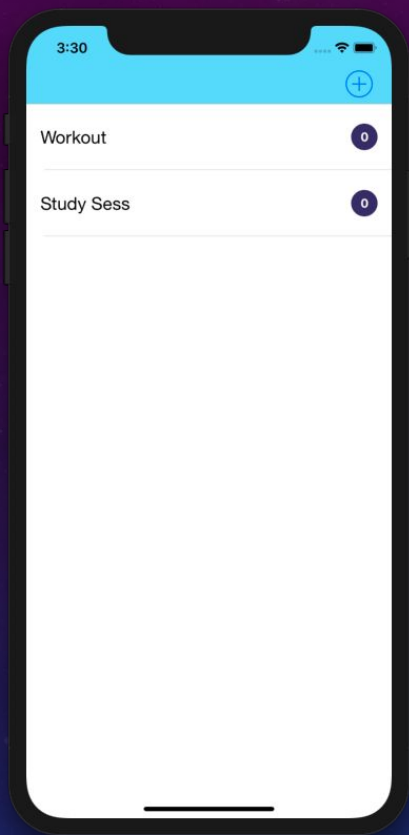


iPhone 11 — 13.2.2

Login OR Sign UP



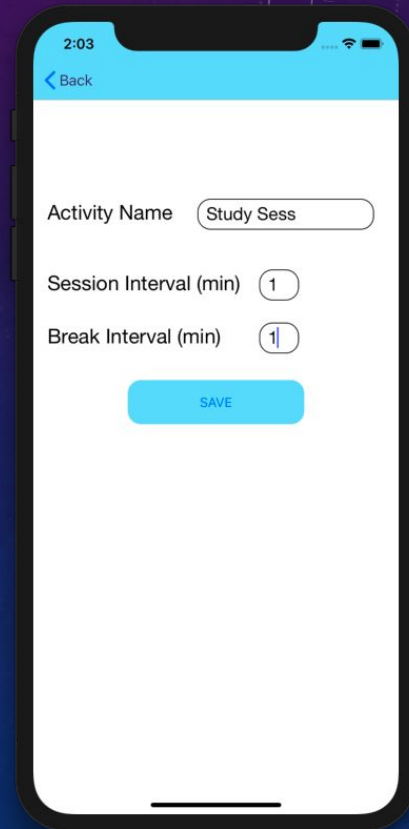
iPhone 11 — 13.2.2



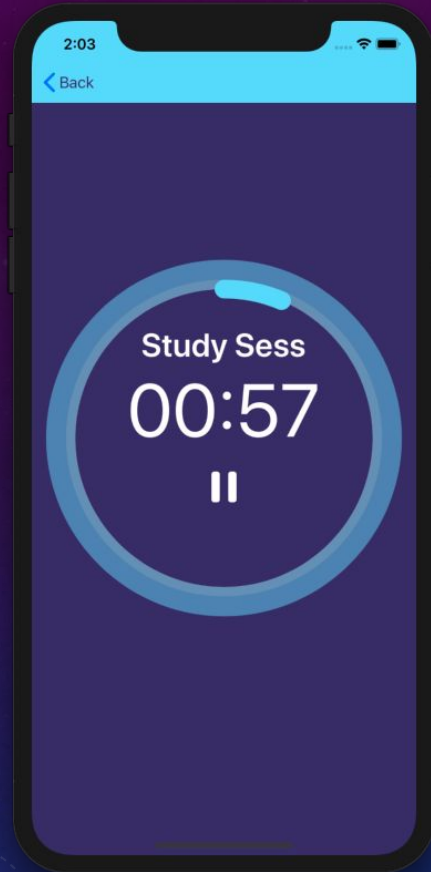
iPhone 11 — 13.2.2

Activities List

Start Activity



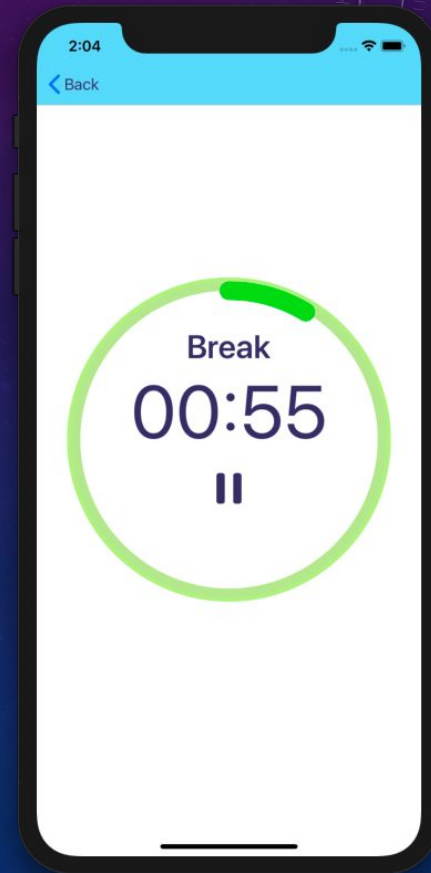
iPhone 11 — 13.2.2



iPhone 11 — 13.2.2

Active Session

Break Session



iPhone 11 — 13.2.2

# ORBIT APP DEMO

The background is a gradient of dark blue and purple, speckled with small white dots representing stars. Several faint, white, semi-transparent circular and orbital graphics are overlaid. In the top right, there is a large circular scale with degree markings from 0 to 210 and concentric circles. In the bottom right, there are dashed circular paths with arrows indicating a clockwise direction. In the bottom left, there are solid circular paths with arrows indicating a counter-clockwise direction. A small circular graphic is also visible in the top left.





Ask a question! We are here to help